

Title: SYSTEM AND METHOD FOR INFORMATION  
ASSIMILATION AND FUNCTIONALITY CONTROL  
BASED ON POSITION INFORMATION OBTAINED  
BY IMPULSE RADIO TECHNIQUES  
Inventor: Elise Taylor et al.  
Att. Docket No. 28549-188705

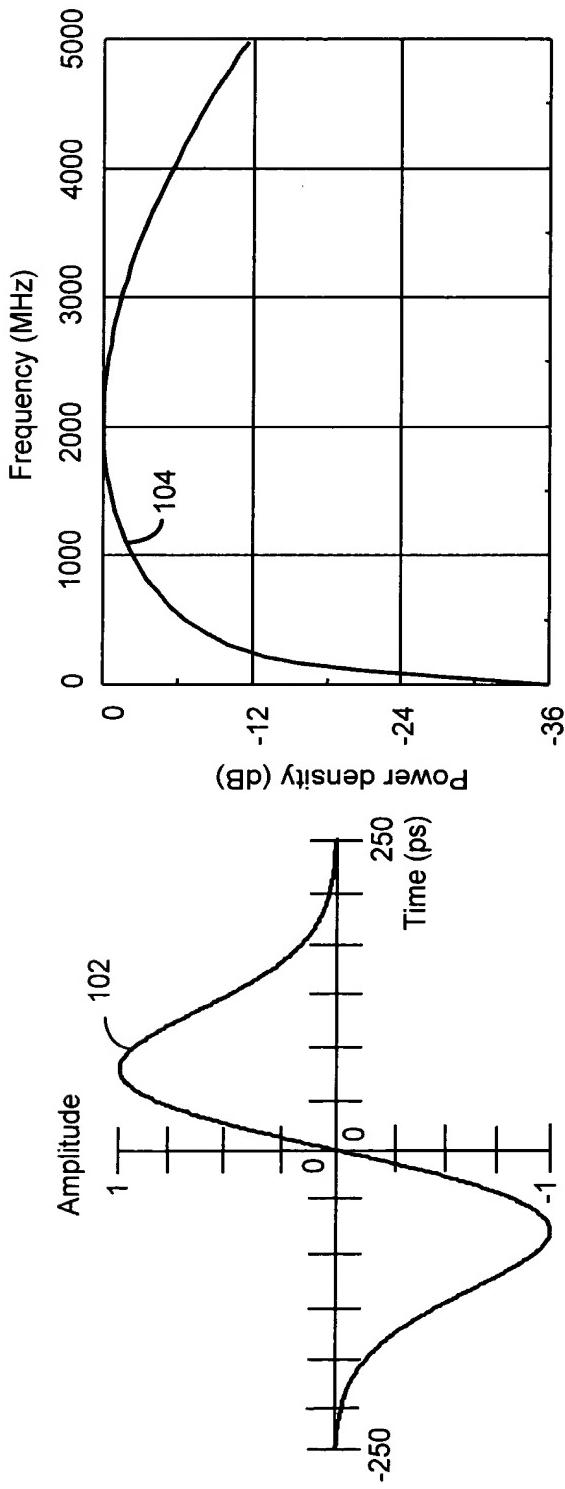


FIG. 1A  
FIG. 1B

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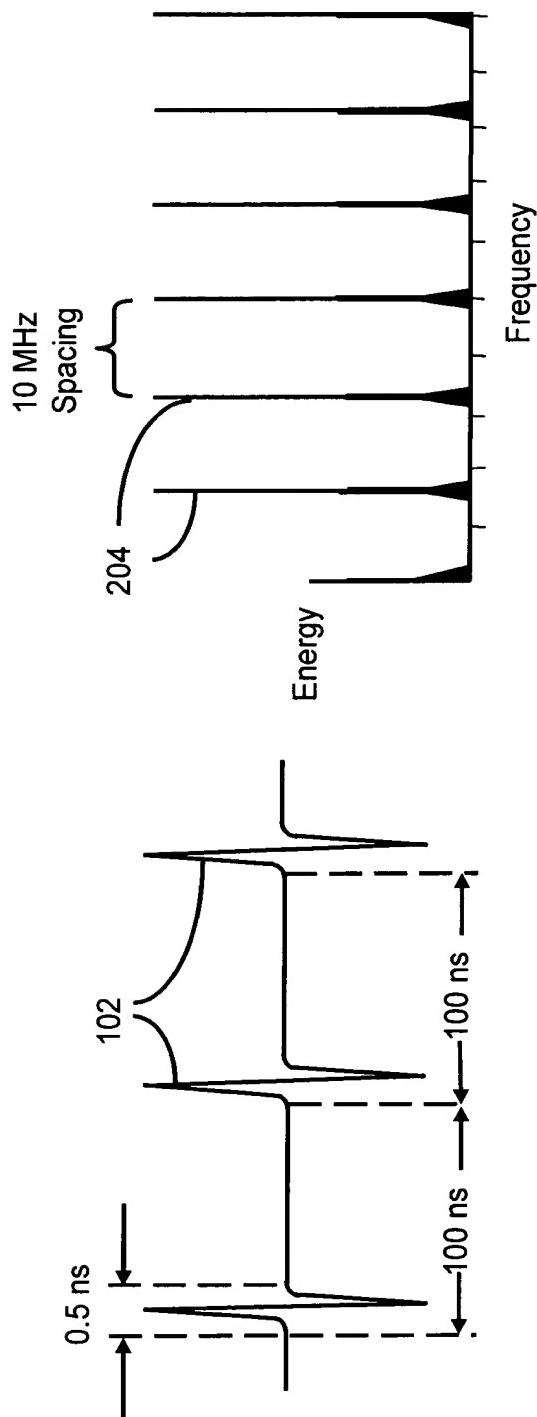


FIG. 2B

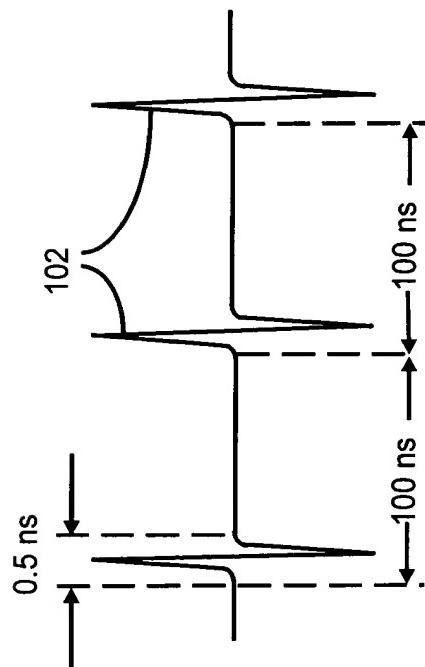


FIG. 2A

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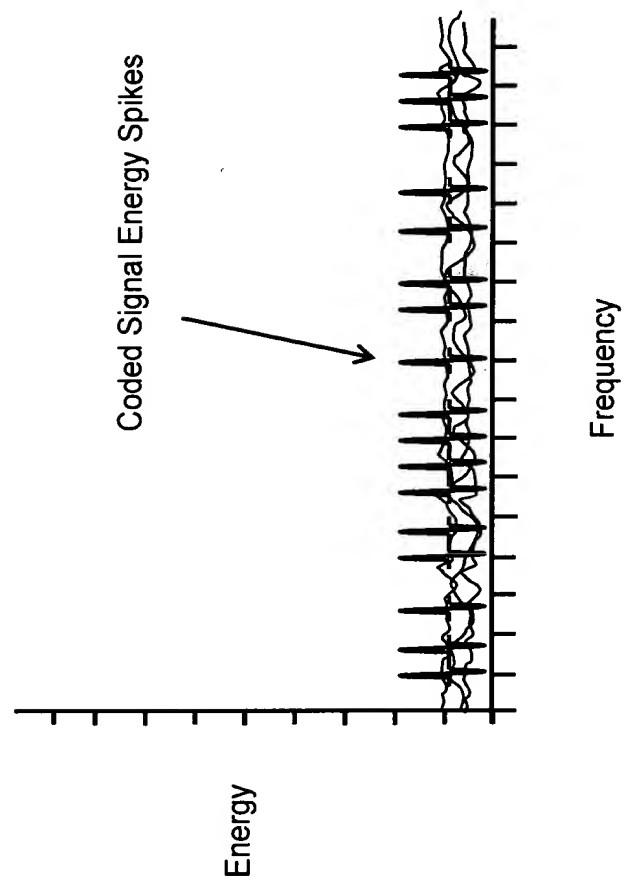


FIG. 3

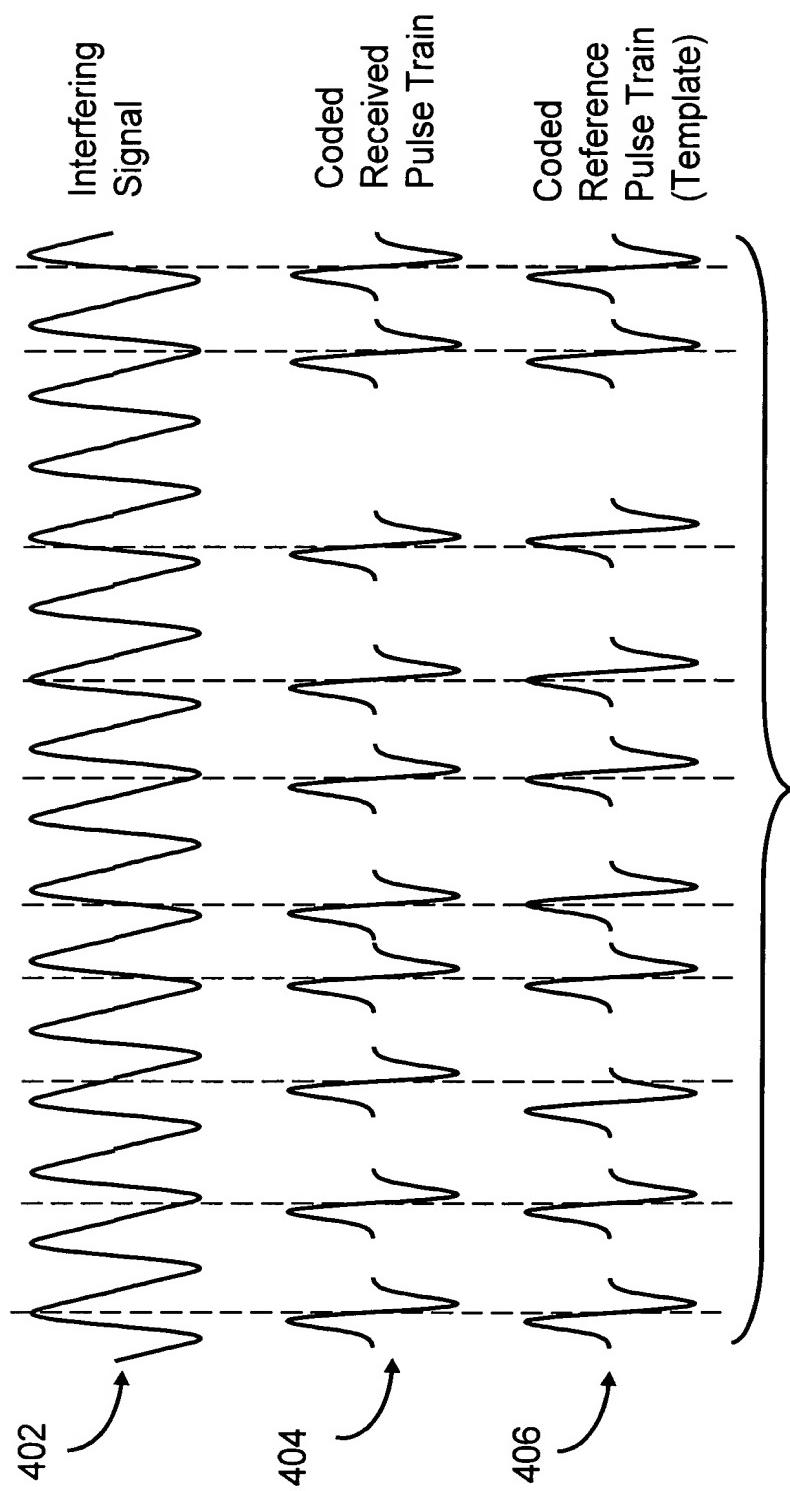


FIG. 4

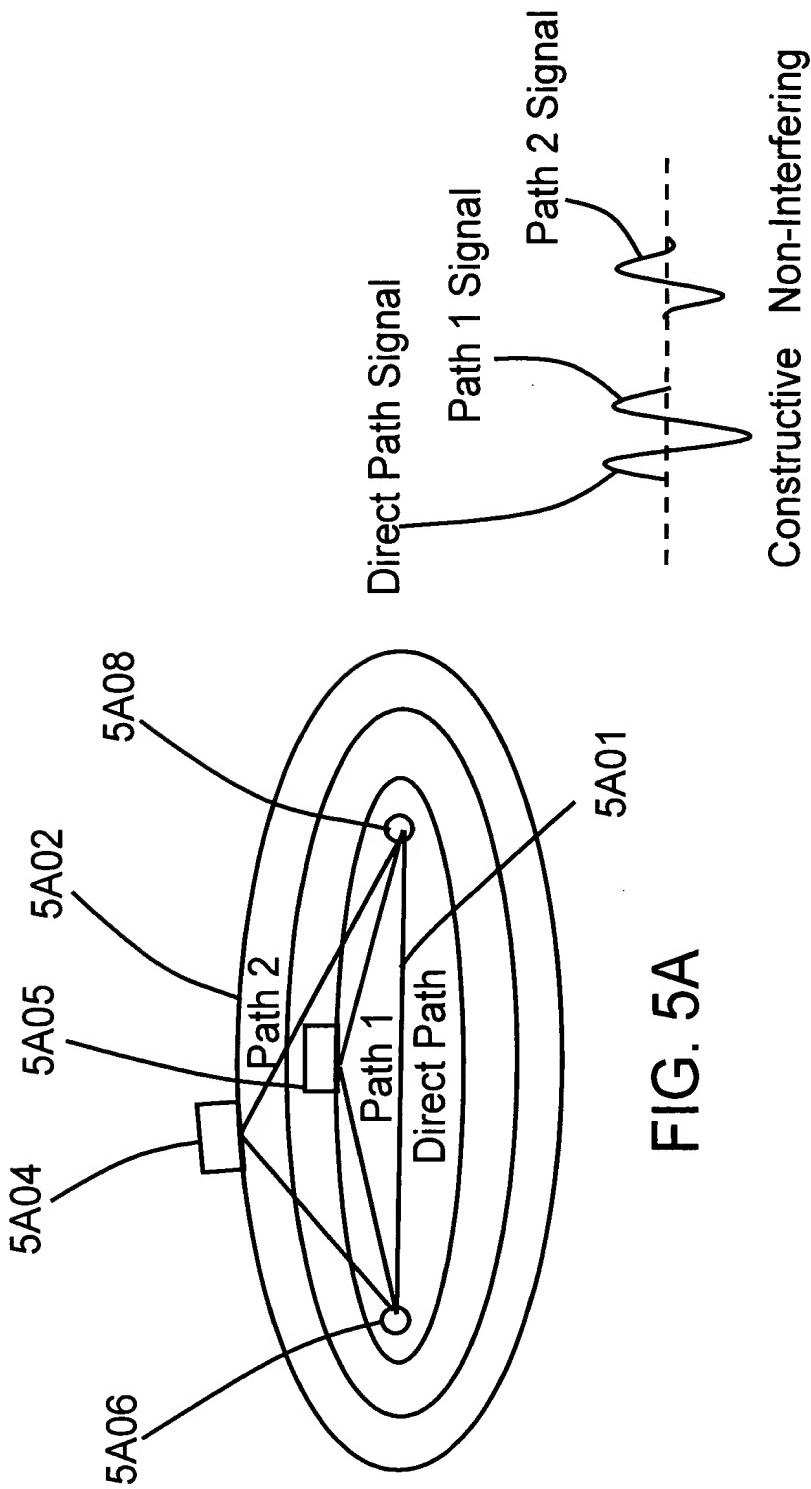
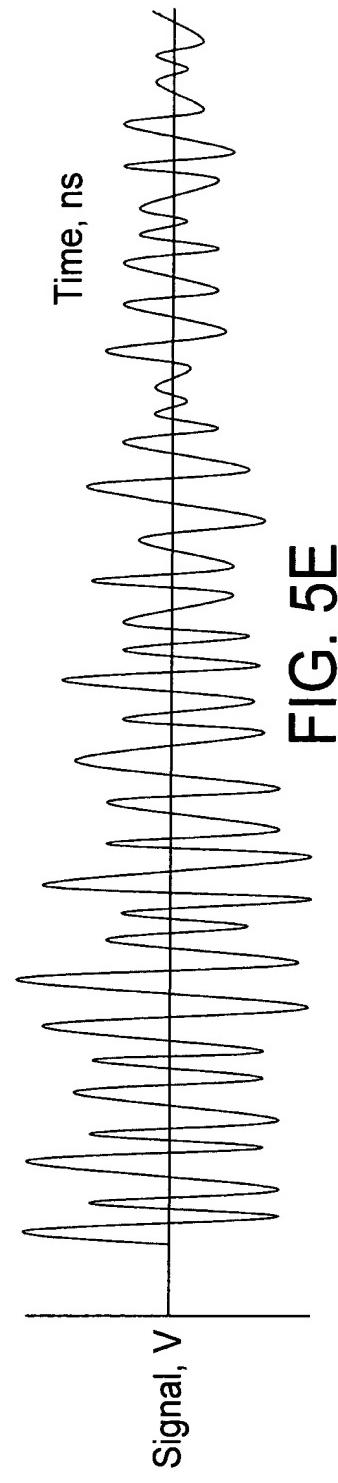
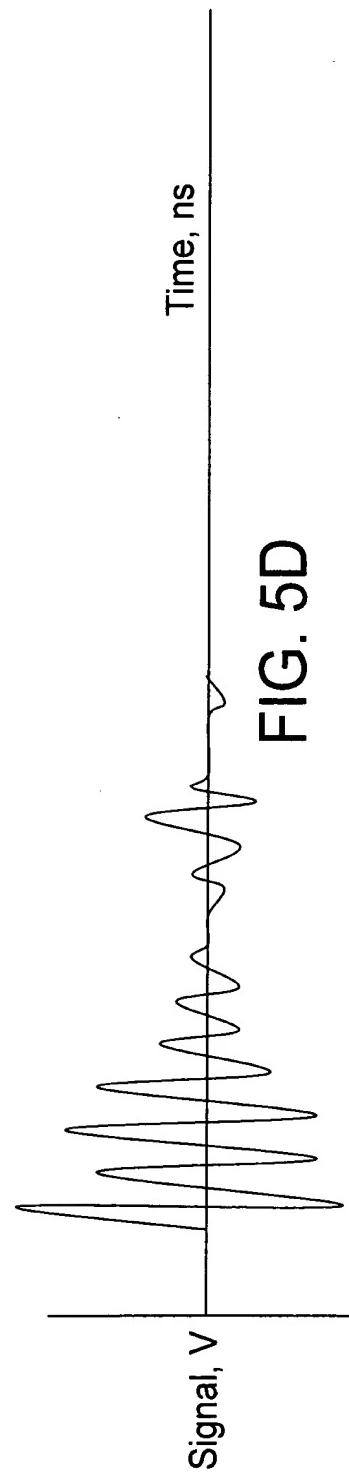
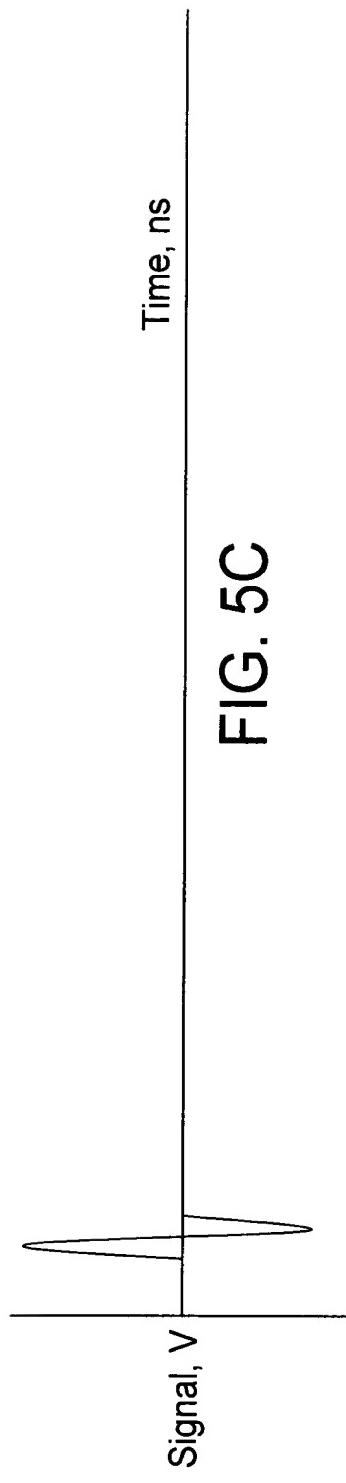


FIG. 5A

FIG. 5B



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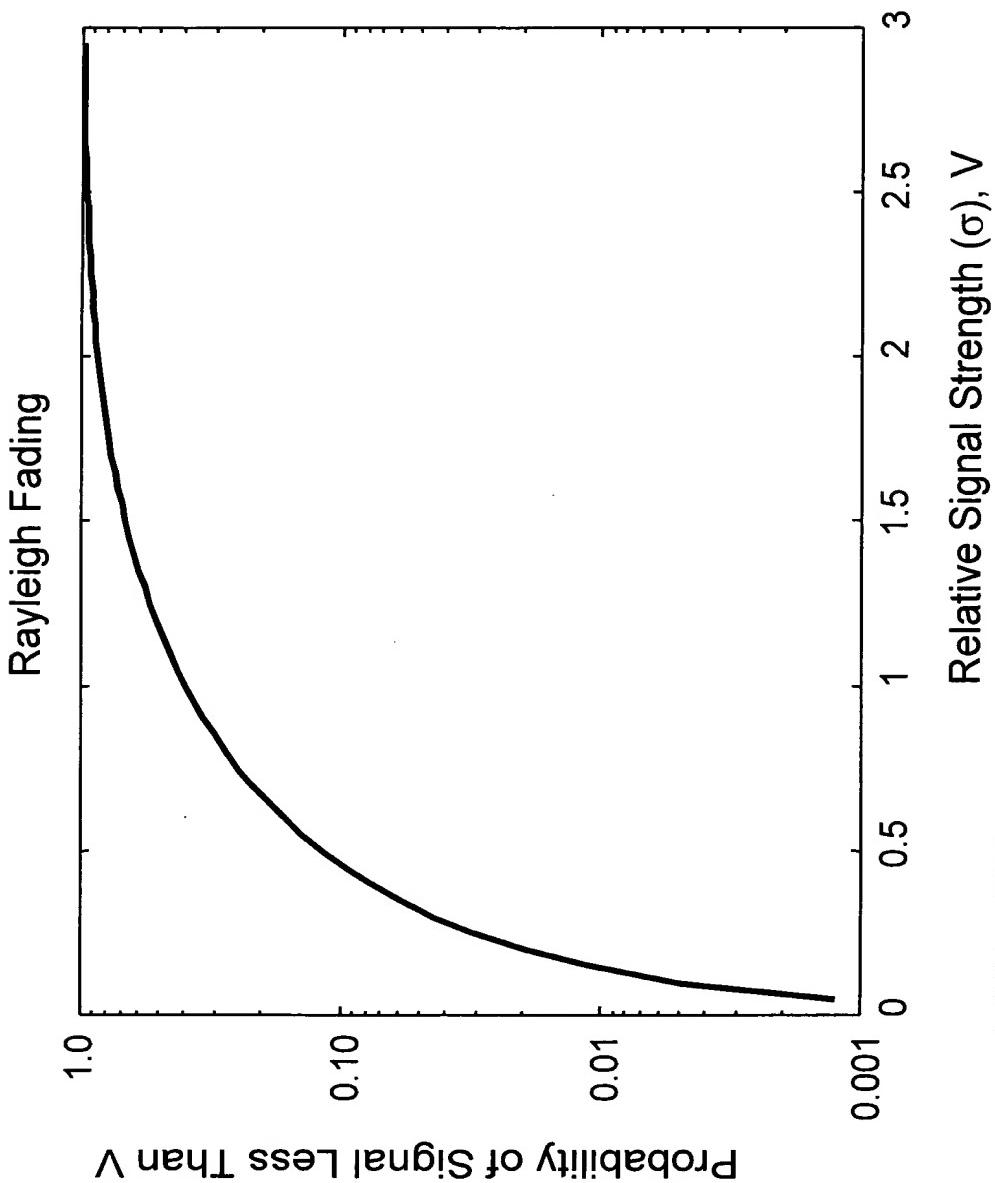


FIG. 5F

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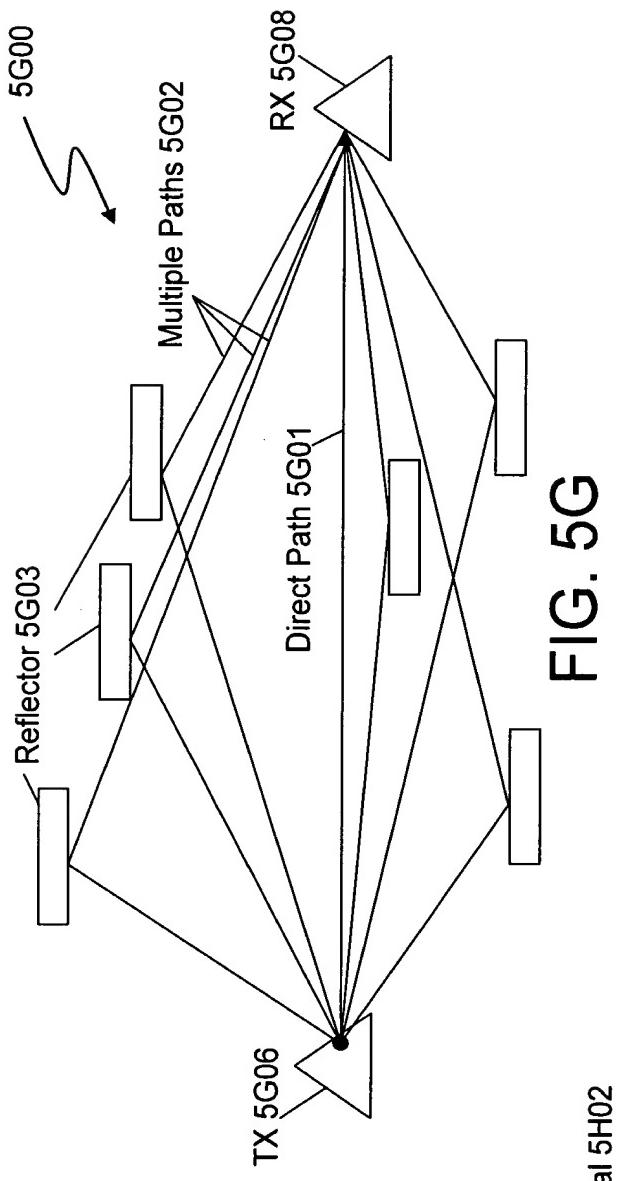


FIG. 5G

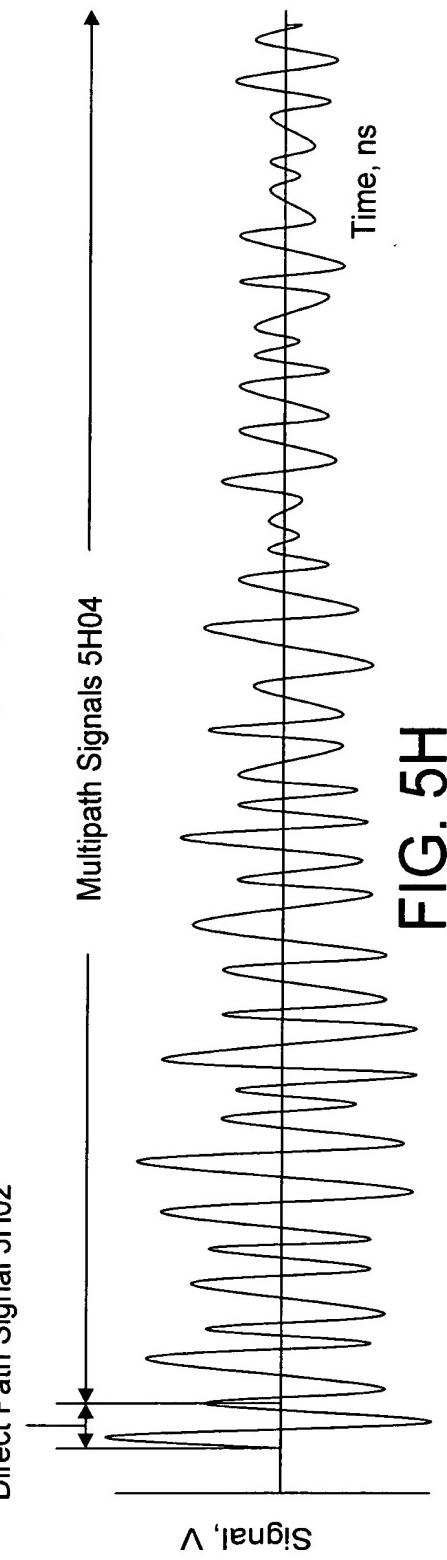
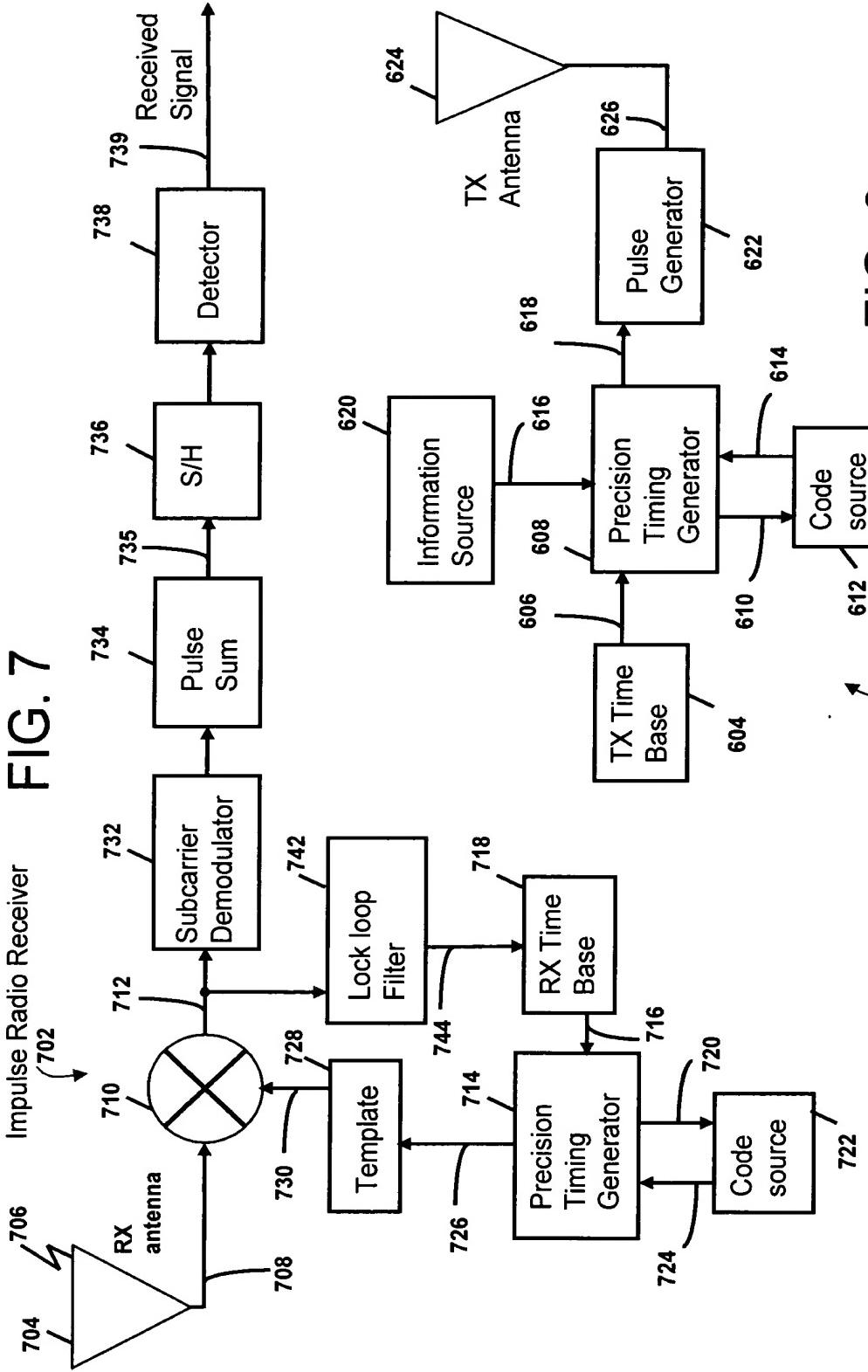


FIG. 5H

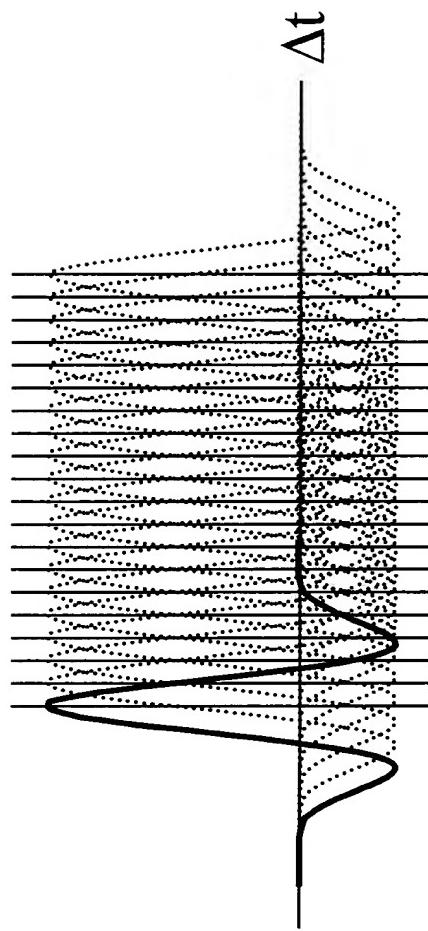
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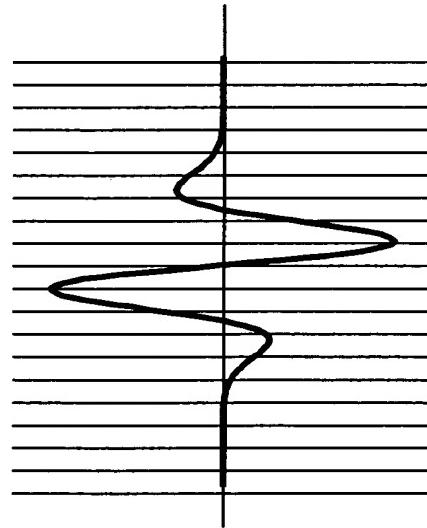
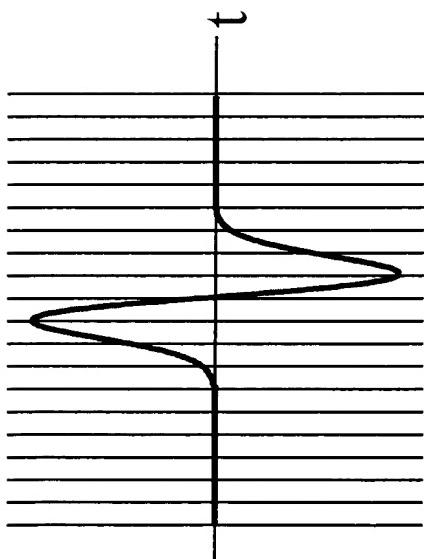
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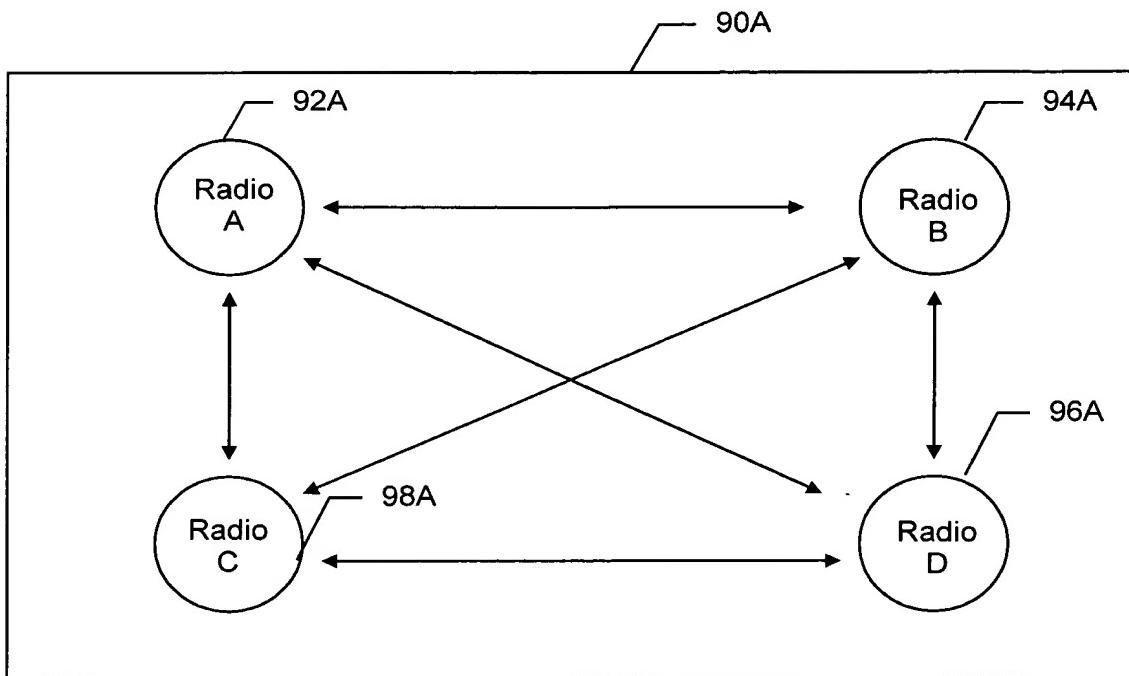
6  
FIG.

## Impulse Radio Transmitter



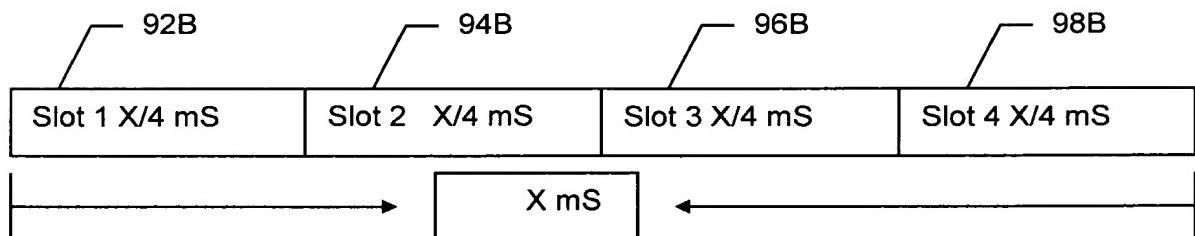
Corresponding to  
each  $\Delta t$





Four nodes in an Impulse Radio TDMA linked network

**FIG. 9A**



**FIG. 9B**

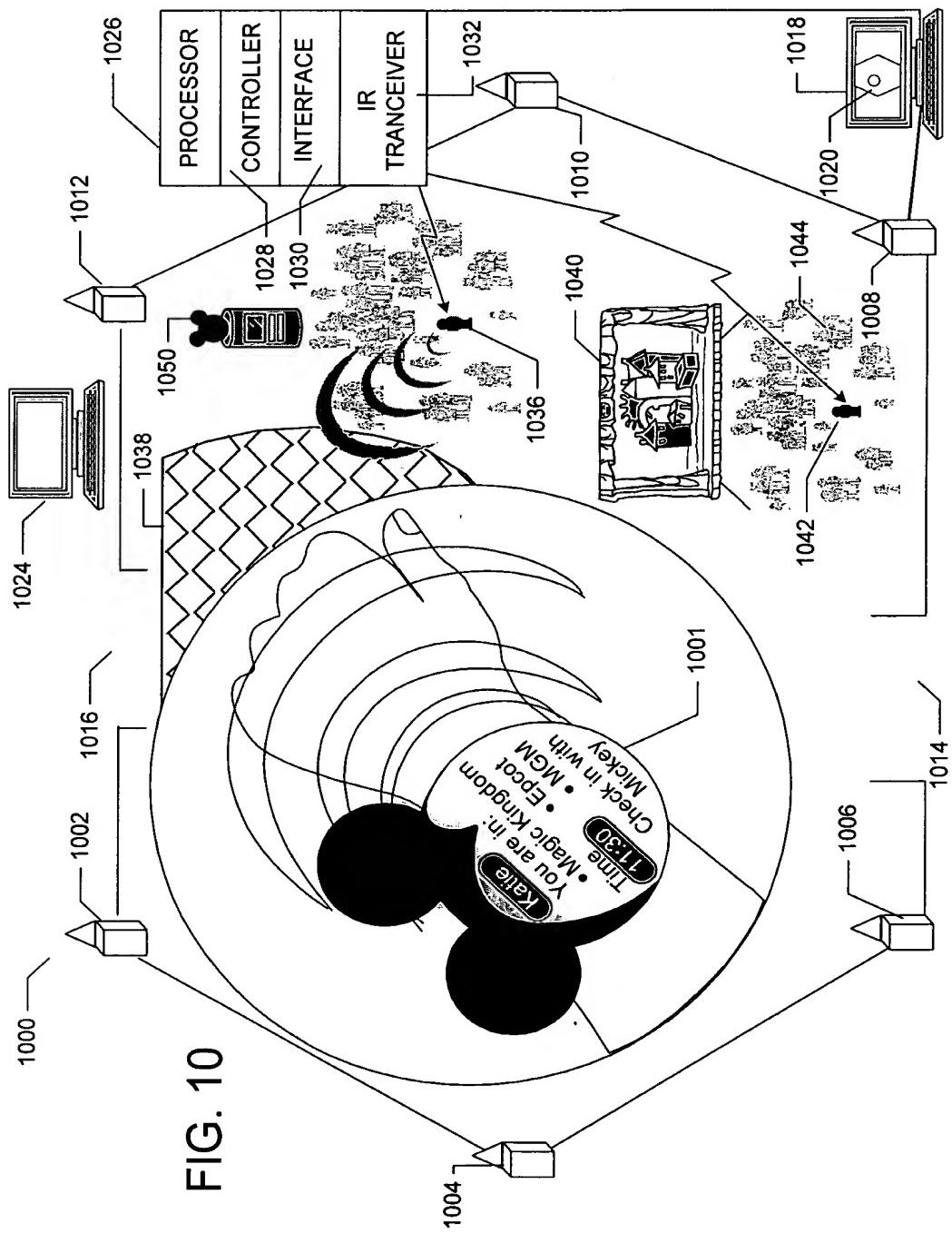
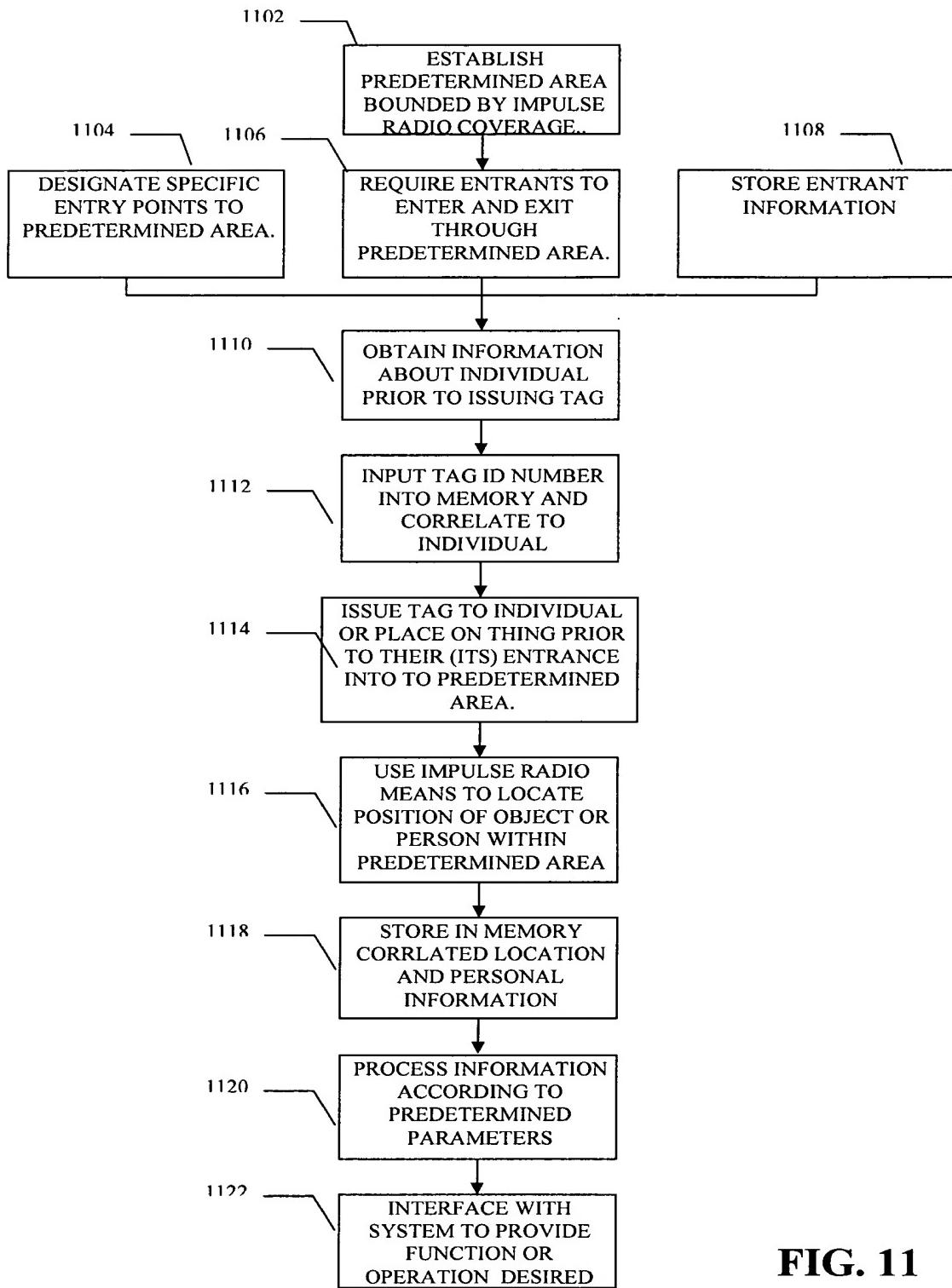


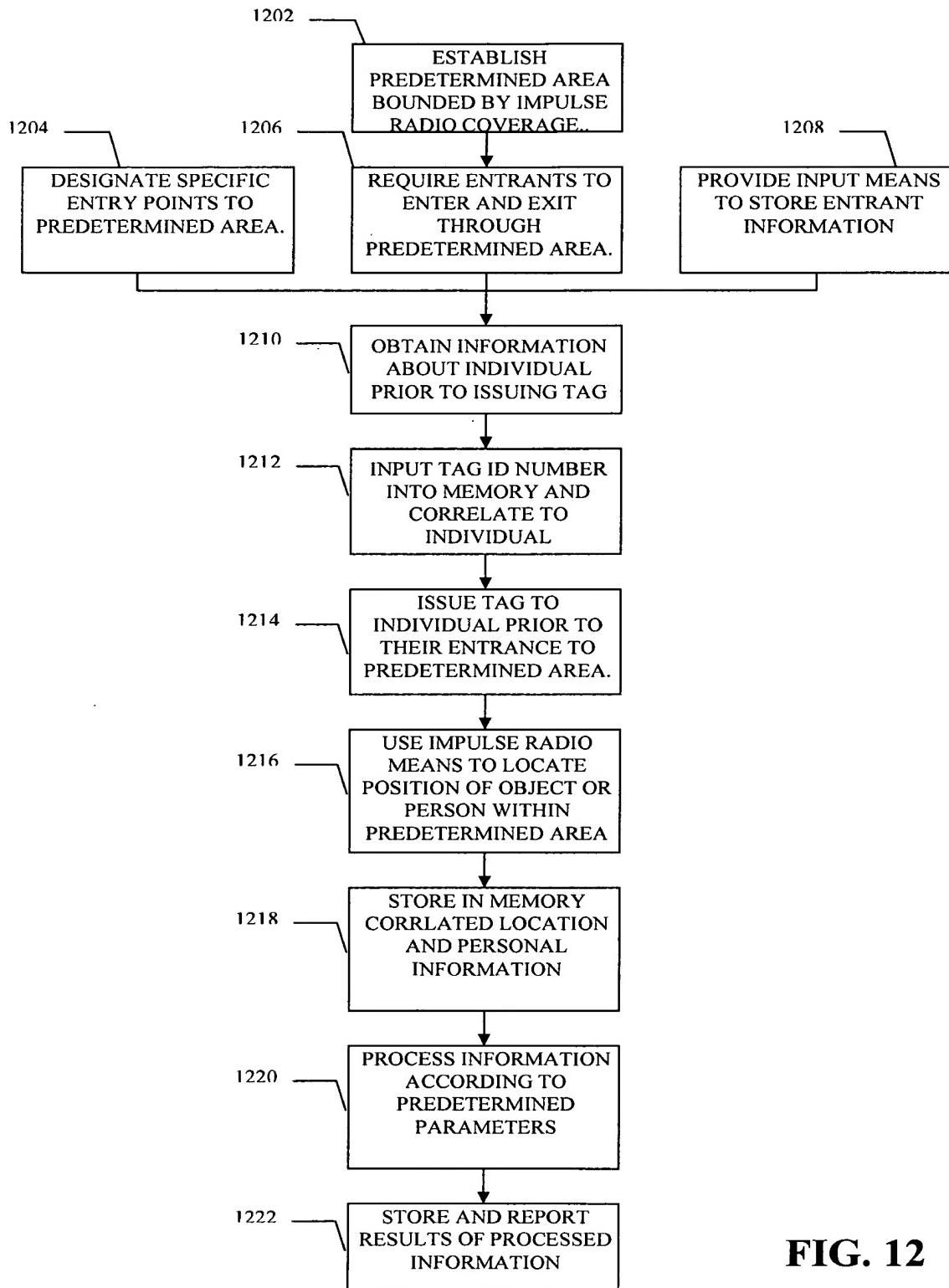
FIG. 10



**FIG. 11**

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**FIG. 12**

Title: SYSTEM AND METHOD FOR INFORMATION ASSIMILATION AND FUNCTIONALITY CONTROL BASED ON POSITION INFORMATION OBTAINED BY IMPULSE RADIO TECHNIQUES

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